



HORIZON 2020

Horizon 2020 Work programme 2016-2017 –
Strategic programming and state of play



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What is Horizon 2020?

- EU's biggest Research and Innovation funding programme (2014-2020); €77bn
- A single programme bringing together three separate programmes/initiatives
- Delivering on EU priorities
 - Addressing people's concerns about their livelihoods, safety and environment
 - Strengthening the EU's global position in research, innovation and technology

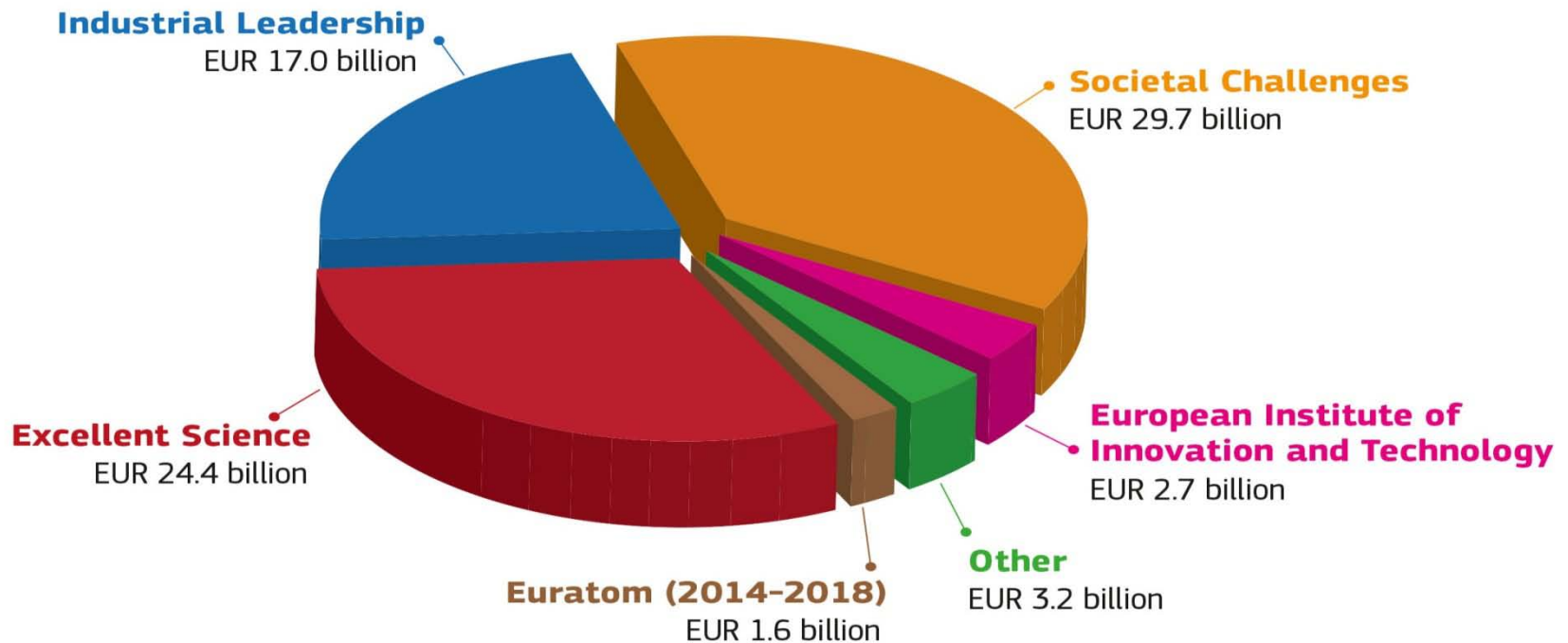
Key features and novelties

- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond
- **FTI Pilot** (2015/2016)



€79 billion from 2014 to 2020 (excluding EFSI contribution)

HORIZON 2020 BUDGET (in current prices)





Innovation Investment Package (launched 9 July 2014)

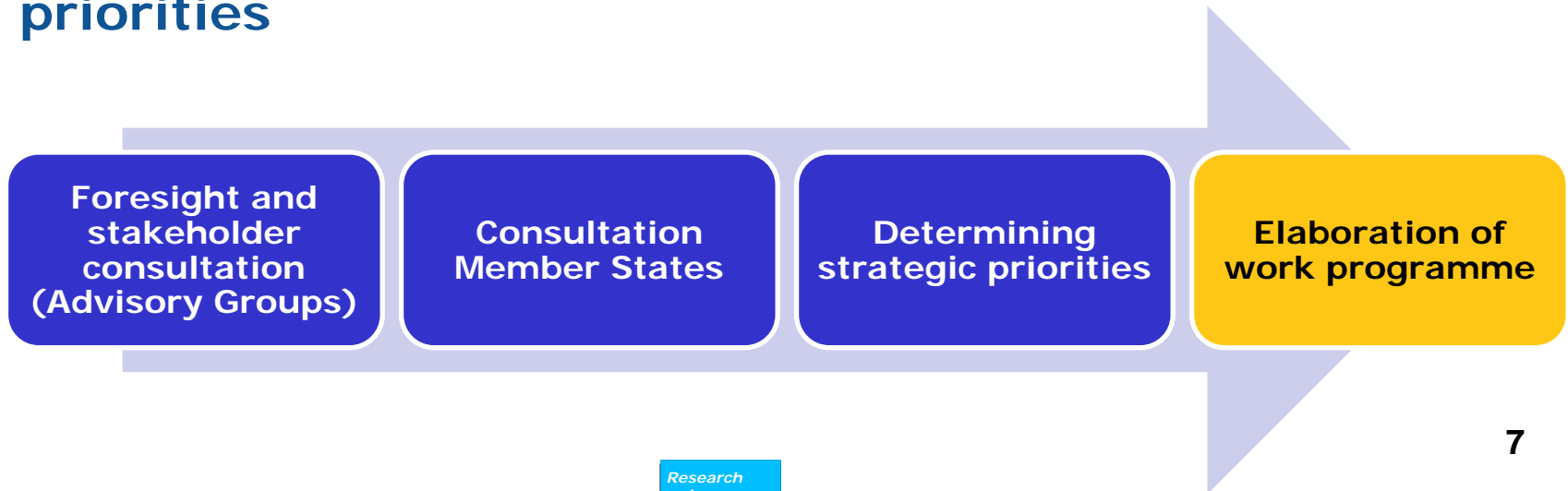
- **Partnerships with industry and Member States**
- **EU contribution of €9 billion; €10 billion from the private sector and €4 billion from Member States**
- **Joint Technology Initiatives** (with industry, Article 187):
 - Innovative Medicines Initiative; Clean Sky (Aeronautics)
 - Fuel Cell and Hydrogen; Biobased industries; Electronic components and systems; Shift2Rail
- **Joint programmes** (with Member States, Article 185)
 - European and Developing Countries Clinical Trials Partnership (EDCTP); European Metrology Research Programme; Eurostars (for SMEs); Active and Assisted Living

SMEs in Horizon 2020

- **Integrated approach** - around 20% of the total budget for societal challenges and LEITs to go to SMEs
- **H2020 Simplification** of particular benefit to SMEs (e.g. single entry point)
- **A new SME instrument** used across all societal challenges as well as for the LEITs (7% target)
- A dedicated activity for **research-intensive SMEs in 'Innovation in SMEs'**
- **'Access to risk finance'** has strong SME focus (debt and equity facility)

Horizon 2020: Strategic Programming for the Work Programme

- Two year work programme with high degree of integration
- Work Programmes based on extensive consultation including independent Advisory Groups
- Strong engagement of Member States in setting priorities





First Work Programme

- **First Work Programme (2014/15) launched Dec 2013**
- **Challenge-based approach giving applicants considerable freedom to come up with innovative solutions**
- **Strong innovation focus**
- **€15 bn. Investment in calls**

First calls – overall statistics (for calls closed 1 Dec 2014)

- More than 31,000 eligible proposals submitted (not incl. first stage of two stage calls)
- More than 120,000 proposal applicants
- €53,4 bn. EU financial contribution requested
- 11,000 unique experts to evaluate these proposals
- High number of applications = lower success rates compared to FP7 (number of applications and requested EU financial contribution)
 - Success rate (proposals) - 13.9%
 - Success rate for requested EU financial contribution - 14.4% (x7oversubscription)

First calls – grants signed (by 30 April 2015)

- Over 3,200 grants signed
- €6.5 bn. total value of grants signed (projects)
- EU financial contribution: €5.4 bn.
- Time-to-grant (excl. ERC): 95% of grants have been signed within 8 months



First calls: conclusions

- **Higher numbers of applications** (compared to FP7); **20% applicants are newcomers**
- **Oversubscription** (requires continuous monitoring; target of 3:1 success for 2nd stage in WP 2016/17)
- **Industry participation up; reaching the 20% SME target**
- **Third country participation down** (emphasis on international dimension in WP 2016/17)
- **Need greater pool of evaluation experts** (esp. women, private sector)

European Fund for Strategic Investment

- **Commission proposal to address current low level of EU investment - removing obstacles, providing technical assistance - smarter use of new and existing financial resources**
 - mobilising investments of at least €315 billion in three years
 - supporting investment in the real economy
 - creating an investment friendly environment
- **Trilogue between EU co-legislators saw agreement for redeployment of € 2.2 bn. from Horizon 2020; no impact on ERC, MSCA and Widening budgets**
- **Opportunity for R&I investment to projects from Horizon 2020 and previous programmes e.g. high risk, high reward**

Work Programme 2016-2017 (1)

- **Based on strategic programming approach**
- Contribution to the **Jobs, Growth and Investment Package**
- **Support to other European policy areas, notably**
 - ✓ **Energy Union;**
 - ✓ **Digital Single Market;**
 - ✓ **Strengthening the industrial base** (key enabling technologies)

Work Programme 2016-2017 (2)

- **€15 bn. investment**
- **Challenge-based**
 - Non-prescriptive language of topics and calls
 - Support across the innovation cycle
 - Emphasis on exploitation and impacts
- **Incorporating lessons learned from WP 2014-15**
- **First calls by early October (ERC in July)**

Next steps - evaluation

- **Independent assessment providing vital contribution to effective programme implementation and future policy**
- **Addressing all aspects of programme implementation including instruments, results and impacts**
 - Quantitative and qualitative analysis including indicators
- **Ex post evaluation of FP7 by end of 2015**
- **Interim evaluation of Horizon 2020 by end of 2017**
 - Will contribute ideas to what might follow H2020

Next steps - Consultations on simplification

- **Further simplification in the context of the Commission agenda for Better Regulation**
- **Building on H2020 simplifications** (single set of participation rules; simplified funding rates; time-to-grant of 8 months...;) **feedback exercises to gather evidence:**
 - online survey of applicants to 2014-15 calls taking stock of their experiences with rules, processes and systems etc.
 - workshops with national research and innovation funders for identifying and exchanging best practice

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For further information

- **Participant Portal**

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

- **Helpdesk**

<http://ec.europa.eu/research/enquiries>

- **Expert evaluators needed!**

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

- **Learn more about Horizon 2020**

<http://ec.europa.eu/horizon2020>

Thank you for your attention!

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